

The following are notes for competitors. Please note that your moderator may override these rules when they are instructed to do so.

#### On reading

- Players may stop the moderator at any time to request that the moderator speak louder or more clearly.

#### On answers

- The bolded part of each answer is required to receive points. Other parts are optional.
- Brackets beside answers provide the moderator notes and additional information to assist with scoring (which may override the rules provided on this page).
- Unless the answer is a proper noun, the moderator must accept both singular and plural variants of an answer.
- “prompt”: The moderator will say *prompt* or indicate in some other way that additional information is required. The moderator may prompt multiple times on the same question as long as each subsequent answer provides more information than the last and each answer is correct.

#### On powerplays

- All toss-up questions contain the symbol (\*) which indicates the *powerplay* cutoff.
- When a toss-up is answered before the powerplay cutoff, the team which answered receives 15 (instead of 10) points for that toss-up.

A sample toss-up question is shown below.

#### 8. **SCIENCE**

The release of energy in *these* events is described by elastic-rebound theory. *These* events are detected by triangulation of P and S waves. The modified Mercalli scale measures the (\*) intensity of *these* events, unlike a logarithmic scale for their magnitude, which is named for Charles Richter. *These* events begin at an epicenter and can cause tsunamis. For 10 points, name *these* natural disasters that are caused by rupturing faults in the crust.

ANSWER: earthquake

#### On timing

- If a team answers a bonus incorrectly and more than **five** seconds remain, the other team receives the remaining time to buzz in.
- If a team answers a bonus incorrectly and fewer than **five** seconds remain, the other team receives **five** seconds to buzz in.
- If a toss-up question requires computation, it will be prefaced with “pencils and paper ready.”
- If a bonus question requires computation, only the introductory sentence will be prefaced with “pencils and paper ready.”
- For each question, teams receive the amount of time indicated in the table below to buzz in.

Type	Time (in seconds)
Toss-up	10
Toss-up with computation	30
Bonus	10 × 3 questions
Bonus with computation	10 × 3 questions